

Action C1: Monitoring of the environment impact of the project

<i>Beneficiary responsible</i>	<i>Status</i>
ASA	Not started

<i>Time schedule per Annex I</i>	<i>Starting date</i>	<i>End date</i>
12 Months	July 2016	June 2017

<i>Real time schedule</i>	<i>Starting date</i>	<i>End date</i>
Not Started	Not Started	Not Started

To contribute to development and implementation of low carbon and renewable energy technologies to drive low carbon economic development in Europe, following task will be taken, as mentioned in the propose:

- Task C1.1. Analysis of invoice energy consumption.
The invoice will be the official proof of good working and effective environmental impact.
- Task C1.2. Analysis of Renewable Generation (PV and Wind).
This analysis will show if invoice data are in direct concordance with renewable generation as our model says.
- Task C1.3. Check CO₂ effective reduction.
Throw data of consumption reduction, it will be calculated foot print reduction, one of the relevant objectives of this project.

A previous study of these items has been taken, in a very soft way, in the first six month demonstration phase report.

The expected results for this action specifically are:

- Grid Energy consumption "Invoice" (reduction by 30% depending on the model)
- PV production: 400 (kWh/day)
- Wind production: 6 (kWh/day)
- Foot print reduction: 0,12 (Ton Co₂/ day)

Action C2: Monitoring of the socio-economic impact of the project

<i>Beneficiary responsible</i>	<i>Status</i>
ASA	Not started

<i>Time schedule per Annex I</i>	<i>Starting date</i>	<i>End date</i>
12 Months	July 2016	June 2017

<i>Real time schedule</i>	<i>Starting date</i>	<i>End date</i>
Not Started	Not Started	Not Started

As mentioned in the proposed, this action look for to assess the socioeconomic impact of the actions envisaged in the RENEWAT Life project in both the population and the local economy, the project scope and regions with similar problems. This action will take place throughout the project period and enable the fulfillment of the expected objectives.

Actions proposed in RENEWAT Life project is expected to generate positive effects in socioeconomic environment related with Foot print reduction, energy saving and waste water treated reuse, so incidence of the following socioeconomic indicators will be evaluated.

- Technology Economic viability (Through lifetime study, data renewable production kWh, water analytics)
- Creating jobs in water treatment processes, and purified water management, maintenance of sewage treatment plants, as well as in renewable local SMEs related with supply but with maintenance too. (Overall impact on the region through employment statistics or economic developments)
- Possibility of creating other Jobs or activities indirectly derived from this Project (for instance, track supply of waste water treated).
- Tendencies change about water reuse (drinking water volume evolution of not using, water volume changes in irrigation communities).
- Increase in number of parcels irrigated with this waste water treated instead of drinking water (through town hall data base).
- Number of entrance in web page and contact request.

Renewable energy integration in water management/treatment plants and high efficiency technologies to reduce energy consumption and improve effluent quality in water treatment plants In Europe 15.000 Hm³/year of wastewater are treated in around 25.000 WWTP, of which about 3.000 are susceptible of making full use of these technologies. This means a market chance of 90.000 M€ for the implementation of our package in these facilities, and yearly potential savings of 111 M€ in water treatment cost.